TECHNICAL REPORT

For The

Cargo Movement Operations System (CMOS)

Revised Draft Software Test Plan
Increment II

08 April 1991

Prepared under

Contract Number F11624-88-D-0001/6K12
CDRL #A004-109

Prepared for

Standard Systems Center (SSC)
Deputy Chief of Staff for Acquisition
Cargo Movement Operations System Division
Gunter AFB, AL   36114

Prepared by

Science Applications International Corporation (SAIC)
5 Eagle Center, Suite 2,
O'Fallon, IL   62269

Table of Contents

i

SECTION I.

INTRODUCTION.

The purpose of this Technical Report is to review the
Revised Draft Software Test Plan, Increment II, CDRL
A007-02, which was produced for the Government by Evaluation
Research Corporation. The results are provided in the form
of a Data Item Discrepancy worksheet as requested by the CMOS
Program Office.

SUMMARY. Not Used.

CONCLUSION. Not Used.

SECTION II.

RESULTS.

Our analysis is provided in the following Data Item
Discrepancy worksheet:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A007-02   DATE: 04/08/91

ORIGINATOR NAME: John J. Brassil   OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X   EDITORIAL:

PAGE NUMBER: n/a   PARA NUMBER: n/a

COMMENT OR RECOMMENDED CHANGE:

Change the STP so that all Shall Statements which should be tested are
assigned to a TF.

RATIONALE:

Review of paragraphs 4.1.4.3.1 and 4.2.4.2.1, which list the Shall
Statements to be tested in TF11 and TF21 (TF31 no longer exists), revealed
an inconsistency with the testing matrix provided in Appendix C.

The TFs were compared with the corresponding SCs (SC11 and SC21, paragraph
3.2.1 in both the Applications and Communications SRS). In keeping with
the "streamlining" philosophy outlined in response to our comments to the
previous version of this document, Shall Statements from the SRSs not
found to be tested in the corresponding TF were then checked at the CSCI
level (TF1 for TF11 and TF2 for TF21). SSs not found in either the
original paragraph or at the CSCI level were then checked against the list
of SSs found in TF0. For both of the SCs in question, there were still
many SSs that were unaccounted for after this process had been
accomplished.

There are several TFs subordinate to TF11, and 12 of the remaining SSs
were found in these TFs. Finally, the matrix in Appendix C was checked,
and 30 more SSs were identified as "Not Tested" in the matrix. This
entire process still failed to identify where SS0261 was tested. There
are no TFs subordinate to TF21, so no lower level TFs were checked, but
the matrix did identify 13 "Not Tested" items, leaving 7 (SS0233, SS0238,
SS0262, SS0305, SS0538, SS0711, and SS0745) identified as "Demo" in the
matrix and unaccounted for in any of the TFs mentioned above.

Discounting those listed as "Not Tested", SSs from the first SC in both
the Applications and Communications SRSs cannot be found in associated TFs
of the STP. This indicates that the STP, as a whole, needs further
review.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]